SYLVANIA

engineering data service

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6AK4

MECHANICAL DATA

Bulb	T-3
Base	Subminiature Button, Flexible Leads
Basing	8DK
Cathode	Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	150 Ma

DIRECT INTERELECTRODE CAPACITANCES

	Shielded[1]	Unshielded
Grid to Plate	1.3	1.4 $\mu\mu f$
Input	2.2	1.9 $\mu\mu f$
Output	2.2	0.8 $\mu\mu f$

RATINGS (Design Center Values)

Plate Voltage	250 Volts Max.
Plate Current	20 Ma Max.
Plate Dissipation	3 Watts Max.
Heater-Cathode Voltage	90 Volts Max.

CHARACTERISTICS AND TYPICAL OPERATION

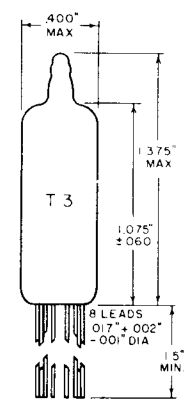
Plate Voltage	200 Volts
Cathode Bias Resistor[2]	680 Ohms
Plate Current	9.5 Ma
Transconductance	3800 μmhos
Amplification Factor	20
Plate Resistance	5300 Ohms
Grid Voltage for $I_b = 10\ \mu a$	-20 Volts

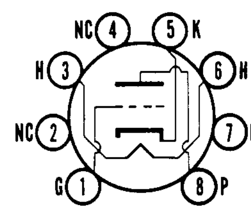
NOTES:

1. *With 0.405" diameter shield connected to cathode.*
2. *Provides an operating bias of approximately 6.5 volts. Fixed bias operation is not recommended.*

QUICK REFERENCE DATA

General purpose, medium mu, uhf subminiature triode. Commercial version of 6K4. Output of approximately ¾ watt at 500 mc.





8 DK

SYLVANIA ELECTRIC PRODUCTS INC.

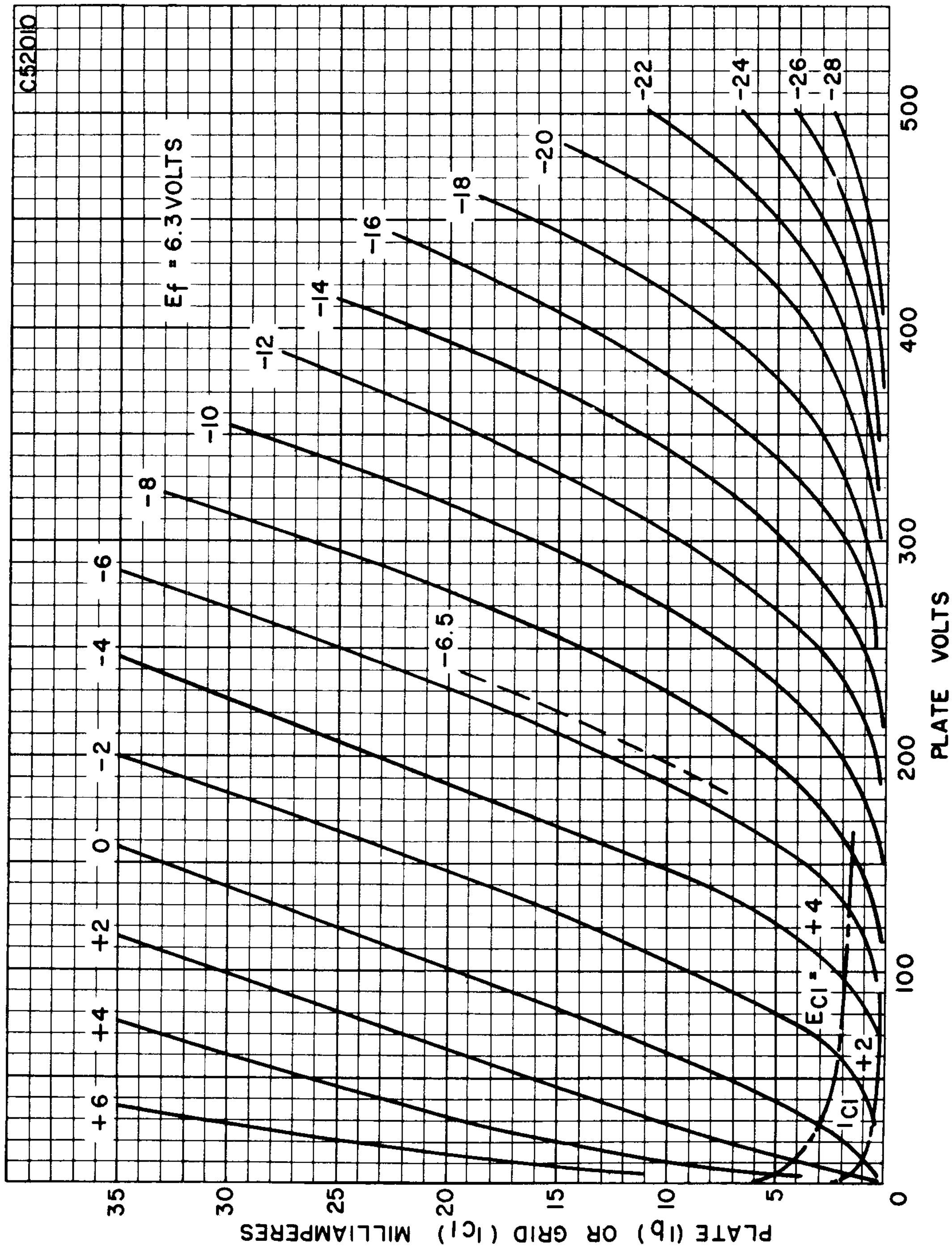
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AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

